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Advertisement changed Mondays.

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22-inch Percale, per yard ..... 10c  
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Awning Cloth, fine assortment of colors and variety of prices, special this week.

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Reduction of prices on our Flannel and Serge Summer Suits this week.

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The materials are the latest Summer Patterns and very Light Weight Coats unlined; suit consists of Coat and Trousers only.

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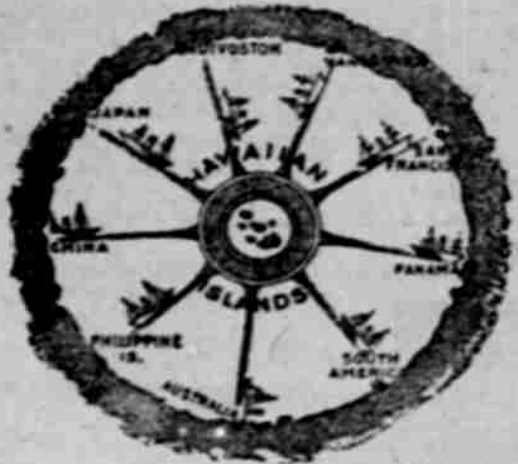
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## HALEMAUMAU SHOWS SIGNS OF GREAT ACTIVITY

(Continued from Page 1.)

the mountains become full of molten matter the volcanoes break out.

"There seems to be some reason why a number of volcanoes break out at the same time. There is one very curious circumstance in craters like Kilauea and Mokuawewe, which is that lava comes down, not in the crater, but upon the land outside the crater. This has occurred both at Kilauea and Mokuawewe. Here is something that may shed light on the subject. You bend a wire back and forth repeatedly and you develop heat. Take a piece of cube sugar and break it in the dark and you will see a flash of light. The force used in doing it is changed into heat in one case and electricity in another. Now it is known that the crust of the earth is more or less plastic, and it would be likely in that case to feel the force of attraction of the sun and moon. This force of attraction varies as the earth turns on its axis and thus produces a stress upon the material of the earth's crust. Well, now, even if the earth was solid this stress would produce heat, and of course, with the sun and moon together the effect is greater, and we would naturally expect to find more liability of earthquakes and volcanic action at such times.

"In the eruption of 1880-1881, when the lava was flowing from Mauna Loa toward Hilo, and the front end of the flow was many miles from the source upon Mauna Loa, it was noticed that the stream would sometimes come to an entire standstill and then break out with renewed vigor at intervals. These were intervals of about a month. Well, I noticed that they also came about the time of the new moon, and people laughed at me to think that such a thing as the moon had anything to do with it, and considered it impossible. However, I wrote up to Hilo, saying that I expected an advance in a part of the flow at such and such a time, with relation to the moon. Well, the flow came as predicted and that was also the last flow. Whether it was my prediction or the incantation of the Princess Ruth, according to ancient Hawaiian rites, that stopped further flows, I have not yet determined.

"That was what set me to thinking about the effect of this gravitation. I am inclined to attribute the precipitation of volcanic action very largely to this 'stress of gravitation,' as I call it. If the earth is molten it would certainly cause flows of lava, and if solid, the heat developed might be sufficient to make lava, as well as to change solids into gases and cause explosions.

"Kilauea and Mauna Loa are not explosive volcanoes; that is, in their main characteristics, I don't think the sea water gets under Kilauea, and certainly such outflows as come from Mauna Loa cannot be produced by gaseous action.

"The volcanoes in the West Indies, and especially the one on Martinique, might be connected with an influx of sea water through a broken stratum. I think also that there are periods when the earth is more susceptible to volcanic action. There is some reason why the great flows from Mount Etna and from Mauna Loa have been more or less synchronous. I don't say that these two volcanoes are connected, but the same influences which cause outbreaks in one part of the earth are liable to cause outbreaks in another. In 1878, while visiting Kilauea, I went over the intervals of the great lava formations on Hawaii, and it struck me that eleven or twelve year periods would coincide more or less; that is, counting the flows of the 50s as one group by itself. It was not for many years afterwards that I found any correspondence between these and the sun spot periods. When I found a table of sun spot periods, I was surprised to find there was such a correspondence. I make the distinction between mere crater activity of the volcano and an actual flow of lava. We who have lived on Hawaii are best able to judge about the relative importance of eruptions, and not those who simply pick up a miscellaneous list from the encyclopedia and strike an average period in that way.

"There is one other significant thing. The only sun spot period when there was no flow here was in 1812. In that year there were terrific outbursts in the West Indies and South America all at the same time. St. Vincent's volcano broke out then, I believe. Since then I have found that scientists elsewhere grant that volcanic activity and earthquakes are more common at the time of the new and full moon. It is worth noticing that the present period of moon is nearest the earth, and therefore the new moon has the greater effect. I also took a list of the scattering earthquakes on Hawaii for a year and I find that 75 per cent of them came within a couple of days of the new and full moon.

"There is a new moon about July 5. I don't want to be classed with the 'cranks' who are always predicting something great, but it is my belief that on that date, or thereabouts, we will hear of more volcanic activity.

"It is also worth noticing that during the early part of this year the earth was in a very peculiar position with respect to the solar system. For example, draw a line through the earth at right angles to the direction of the sun and you will find that every planet excepting a few asteroids would be on the same side of the line as the sun, so that the earth was really in the extreme limit of the solar system. Whether that has anything to do with the increased disturbance of equilibrium I will leave it to the scientists to determine."

In his sermon at St. Andrew's cathedral Sunday morning Canon Mackintosh made reference to the proclamation of peace between the British and the Boers. The hymn, "Now Thank We All Our God," was sung, also Sullivan's fine arrangement of music to the words, "The Son of God Goes Forth to War." The choir sang this last selection grandly.

Mrs. Herriman, wife of the captain of the Alameda and her son Murray are in town staying over a trip or two.

Prince David leaves for Hilo June 24, to attend the races.

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MR. THOMAS PRIME will lecture on REINCARNATION.

Thursday, June 19th, 1902, 8 P. M.

At ARION HALL (Back of Opera House).

Members' meeting Tuesday, 7:30 p. m.

A cordial welcome extended to all.

MARY D. HENDRICKS,  
President, Aloha Branch, T. S.

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HONOLULU LODGE No. 616, B. P. O. E. will meet in their new hall, on Miller and Beretania streets, every Friday evening.

By order of the E. R.  
D. L. CONKLING, Secretary.  
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## HONOLULU BOWLING PARLORS

and chuck a few lignum vitae balls at our tenpins.

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ABOUT A PIANO



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**Bergstrom Music Co., Ltd.**

Fort Street, Honolulu

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For particulars apply at office of secretary, 393 Beretania street or any member of the association. Phone Blue 571.

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